Total Number of Pages in This Submission

r the Paperwork Reduction Act of 1995, no persons are required to re	U.S. Patent and Trademark	PTO/SB/21 (04-04) for use through 07/31/2006. OMB 0651-0031 Office; U.S. DEPARTMENT OF COMMERCE	178 Sw/B
	Application Number	09/878,877	
TRANSMITTAL	Filing Date	June 11, 2001	
FORM	First Named Inventor	Aram Christian Abajian	
(to be used for all correspondence after initial filing)	Art Unit	2178	
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Examiner Name	Heather R. Herndon	
Total Number of Pages in This Submission 20	Attorney Docket Number	283108006US	

EN	ICLOSURES (Check all that app	oly)			
Fee Transmittal Form	Drawing(s)	After Allowance communication to Technology Center (TC)			
Fee Attached	Licensing-related Papers	Appeal Communication to Board of Appeals and Interferences			
Amendment/Reply	Petition	Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)			
After Final	Petition to Convert to a Provisional Application	Proprietary Information			
Affidavits/declaration(s)	X Power of Attorney, Revocation Change of Correspondence Address	Status Letter			
Extension of Time Request	Terminal Disclaimer	X Other Enclosure(s) (please Identify below):			
Express Abandonment Request	Request for Refund	Form PTO/SB/96 Copy of Assignment to Thomson			
Information Disclosure Statement	CD, Number of CD(s)	Licensing S.A. Copy of Assignment to America Online, Inc.			
Certified Copy of Priority Document(s)		Postcard			
Response to Missing Parts/ Incomplete Application	Remarks				
Response to Missing Parts under 37 CFR 1.52 or 1.53					
CICNATI	URE OF APPLICANT, ATTORNEY, OF	AGENT			
SIGNATI	ORE OF AFFLICANT, ATTORNET, OF	AGENT			
Firm PERKINS COILLLF or Steven D. Lawrenz Individual name					
Signature	Signature				
Date September 16, 2004	ı Y				

20

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. It in an envelope addressed 19: Commissioner for Patents, P.O. Бил 1450, Alexandra, VA 22313-1450, on the date s	V522671837US, nown below.
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Application Number 09/878.877

REVOCATION OF POWER OF ATTORNEY and APPOINTMENT OF NEW POWER OF ATTORNEY

Application Number	09/878,877
Filing Date	June 11, 2001
First Named Inventor	Aram Christian Abajian
Art Unit	2178
Examiner Name	Heather R. Herndon
Attorney Docket Number	283108006US

I hereby revok	e all previo	is powers of attorn	ey given in the	above-ide	ntified application:		
☐ A Power o	f Attorney is	submitted herewi	th.		٠.٠		
OR				1		·	
⊠ I hereby a	ppoint the p	ractitioners at Cus	tomer Numbe	r.	25096	· · · · · · · · · · · · · · · · · · ·	
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☐ Appl	icant/Inven	tor.					
⊠ Assi Stat	gnee of rec ement unde	ord of the entire inter or 37 CFR 3.73(b) for	erest. See 37 s enclosed. (F	CFR 3.71.	SB/96)		
		SIGNATUI	RE of Applica	nt or Assi	nee of Record		
Name	Alexand	der Franco					
Signature	dy	Fan					
Date	8	19/04		Telephone			· · ·
NOTE: Signate forms if more the	res of all the	inventors or assigness ture is required, see b	s of record of the slow.*	entire interes	st or their representati	ve(s) are require	ed. Submit multiple
	of gne form						

This collection of information is required by 37 CFR 1.36. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will very depending upon the individual case. Any comments on the amount of time you require to complete this form, end/or suggestions for reducing this burden, should be sent to the Chief information Officer, U.S. Patent and Tradement Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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d Trademark Office; U.S. DEPARTMENT OF COMMERCE

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	ST/	TEMENT UNDER 37 CFR 3.73(b)
Applicants:	Aram Christian Aba	lian
Application No.:	09/878,377	Filed/issue Date: June 11, 2001
Entitled: GROI	UPING MULTIMEDIA	AND STREAMING MEDIA SEARCH RESULTS
America Online, Ir	16. 🕖	, a a corporation of the State of Delaware
(Name of Assignee)	/	(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)
states that it is: 1. the assign	nee of the entire right,	title, and interest, or
2. an essign	ee of the entire right, to it (by percentage) of it	itle and interest. s ownership interest if%
in the pat	ent application/patent	Identified above by virtup of either:
recorded thereof is OR	in the United States Prattached.	r(s) of the patent application/patent identified above. The assignment was atent and Trademark Office at Real, Frame, or for which a copy
as shown	below:	(s), of the patent application/patent identified above, to the current assignee
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		ed in the United State Patent and Trademark Office at , or for which a copy thereof is attached.
[] Addition	onel documents in the	chain of title are listed on a supplemental sheet.
[NOTE: A must be su recorded in	separate copy (i.e., the separate copy (i.e.,	documents in the chain of title are attached. e original assignment document or a true copy of the original document) t Division in accordance with 37 CFR Part 3, if the assignment is to be SPTO. See MPEP 302.08]
The undersigned (whose title is supplied	below) is authorized to act on behalf of the assignee.
	8/9/64	Alexander Franco
	' Date	Typed or printed name
	703) 265-3507	My Fin
Т	elephone number	Signature
	•	Patent Counsel
		Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the institution case. Any comments on the amount of time you require to complete this form, and/or suggestions for reducing this burden, should be sent to the Chief information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Name of conveying party(ies):	2. Name and address of receiving party(ies):
Thomson Licensing S.A.	America Online, Inc. 22000 AOL Way Dulles, VA 20166-9323
Additional names of conveying parties attached? Yes No	
3. Nature of conveyance: ☐ Merger ☐ Security Agreement ☐ Change of Name ☐ Reassignment ☐ Other	
Execution date: November 13, 2003	Additional names of receiving parties attached? ☐ Yes ☒ No
Application number(s) and/or patent number(s): If this document is being filed together with a new a	pplication, the execution date of the application is: B. Patent No.(s)
A. Patent Application No.(s)	B. Faterit 140.(5)
09/878,877	
Additional numbers at	tached: 🗌 Yes 🗵 No
Name and address of party to whom correspondence concerning document	Total No. of applications and patents involved: one (1)
should be mailed: Customer No. 25096	7. Total fee (37 CFR §3.41): \$40.00
Steven D. Lawrenz	⊠ Enclosed
Perkins Coie LLP P.O. Box 1247	☐ Charge Deposit Account No. 50-0665
Seattle, Washington 98111-1247 (206) 359-8000	8. Deposit Account No. <u>50-0665</u>
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DECEMBER 03, 2001

PTAS

THOMSON MULTIMEDIA LICENSING INC.
JOSEPH S. TRIPOLI
PATENT OPERATIONS
PO BOX 5312
PRINCETON, NEW JERSEY 08543-5312

2 Chief Financial Officer and Chief Administrative Officer Washington, DC 20231 www.uspto.gov





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RECORDATION DATE: 09/24/2001

REEL/FRAME: 012193/0362

NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

ABAJIAN, ARAM CHRISTIAN

DOC DATE: 09/14/2001

ASSIGNEE:

THOMSON LICENSING S.A.
46 QUAI ALPHONSE LE GALLO
F-92100 BOULOGNE BILLANCOURT,
FRANCE

SERIAL NUMBER: 09878877

PATENT NUMBER:

FILING DATE: 06/11/2001

ISSUE DATE:

MARCUS KIRK, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS Event ASS/RECORDED

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FORM PTO-1595 1-31-92 SEP 1 6 2004 SEP 1

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conveying party(ies) attached: SEP 2 4 2001	Street Address: 46 quai Alphonse Le Gallo F-92100 Boulogne Billancourt France
3. Nature of convenance:	City: Boulogne Billancourt State: France Zip:
X Assignment Merger	
Security Agreement Change of Name	
Other	
	Additional name(s) & address(es) attached? X No
Execution Date:	
4. Application number(s) or patent number(s): Serial No. 09/878,877	sting data of the good institution in
If this document is being filed together with a new application, the execu. A. Patent Application No.(s) 09/878,877	B. Patent No.(s)
A. Fate: Application No.(8) 09/8/8,8//	D. Falcin No.(s)
Additional numbers attached?	X No
5. Name and address of party to whom correspondence	6. Total number of applications and patents involved:1
concerning document should be mailed:	
Name: JOSEPH S. TRIPOLI	
Internal Address: PATENT OPERATIONS	7. Total Fee (37 CFR 3.41): \$40.00
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Street Address: PO Box 5312	8. Deposit account number:
	07-0832
City: PRINCETON State: NEW JERSEY Zip :08543-5312	
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Joel M. Fogelson . PUL W	Sept. 21, 2001
	eg. No. 43,613 Date
Total number of pages comprising	cover sheet:2
OMB No. 0651-0011 (exp. 4/94)	
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09/27/2001 LMUELLER 00000136 070832 09878877

01 FC:581

40.00 CH

ASSIGNMENT AND AGREEMENT IN AN APPLICATION FOR LETTERS PATENT OF THE UNITED STATES OF AMERICA

	declare that I am the sole inventor (if only one inventors are named below) of the inventions relating to		ned below) or one of joint inventors FROUP DUPLICATES AND VARIATIONS
described in an	application for Letters Patent of the United States of A		09/878.877
Assignment/Agr		erial numb	nber, executed by me on even date with my execution of this
For value		transfer to	to THOMSON LICENSING S.A., a corporation duly organized
for all countries Ir	n and to said Inventions, and all the rights and privileg	es under (r any and all Letters Patent that may be granted therefor,
l agree t	s, continuations, reissues and extensions thereof. that, when requested, I will, without charge to sald c	orporation	on but at its expense, sign all papers, take all rightful oaths, make all rig
inventions in any	and all countries and for vesting title thereto in said c	orporation	nt for securing and maintaining patents or other forms of protection for on, its successors, assigns or nominees.
I agree to	hat I will communicate to said corporation or its repre	sentatives	es any facts known to me respecting said inventions and when edings, and generally do everything possible to aid said corporation,
its successors, as:	signs and legal representatives or nominees, to obtain	or enforc	rce proper protection for sald inventions in any and all countries.
inventions in its o	or their own name, or in my/our name, in any and a	I countrie	ominees, to make application for patent or other form of protection for les and to invoke and claim for any application for patent or other for
protection for sa Property, as ame	id inventions filed by it or them, the benefit of the rigi ended, or by any convention which may henceforth	ht of priori be subst	ority provided by the International Convention for the Protection of Industriuted for it, and to invoke and claim such right of priority without fu
written or oral au	thorization from me.		a full legal and formal equivalent of any assignment, consent to file o
document which	n may be required in any country for any purpose and	more par	articularly in proof of the right of the said corporation or its successors, as and to claim the aforesaid benefits of the right of priority provided by
International Cor	nvention for the Protection of Industrial Property, as an	nended, c	or by any convention which may henceforth be substituted for it.
			I representatives, and nominees, that to the best of my knowledge the nce, and that I have full right to convey the same as herein expressed.
Class of at		D-4-	14-508-01
Signed at	Seattle, Washington	Date -	
Inventor (1)	ARAM CHRISTIAN ABAJIAN		Kylles / La
	(Type or Print)	•	(Signature in Full. No initials.)
Po	ost Office Address 202 N.W. 43 rd Street, S	aattla	Washington
	20214.W: 45 Sileel; 5	earne,	, was in gion
1st Witness	(Type or Print)		Asignatuje/in Full. No iparials.)
2ndWitness	JOHN L UTZITT		The lately the
2110441111033	(Type or Print)		(Signature in Full. No initials.)
Signed at		Date	
J. Signica ar			•
Inventor (2)			
	(Type or Print)		(Signature in Full. No initials.)
Po	ost Office Address		
1st Witness	<u> </u>		
10. 17	(Type or Print)	•	(Signature in Full. No initials.)
2ndWitness			
	(Type or Print)		(Signature in Full. No inItials.)
Signed at		Date	
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Inventor (3)	(Type or Print)		(Signature in Full. No initials.)
			(signardie in tali. No minais.)
Po	ost Office Address		
1st Witness			
	(Type or Print)		(Signature in Full. No initials.)
20d\A/itness			i de la companya de

After this Assignment has been recorded please RETURN to:

(Signature In Full. No inItials.)

Patent Operations THOMSON multimedia Licensing Inc. P.O. Box 5312 Princeton, NJ 08543-5312

(Type or Print)

PATENT ASSIGNMENT

WHEREAS, Thomson Licensing S.A., a French société anonyme having a principal place of business at 46, Quai Alphonse Le Gallo, 92100 Boulogne-Billancourt France ("Assignor"), is the owner of the entire right, title and interest in and to the patent applications set forth in attached Schedule A hereto and in and to the inventions disclosed therein (collectively, the "Assigned Patent Rights");

WHEREAS, America Online, Inc., a Delaware corporation, ("Assignee"), Assignor, Thomson Inc., a Delaware corporation, and Singingfish.com, Inc., a Washington corporation, are parties to that certain Asset Purchase Agreement dated November 13, 2003 (the "Asset Purchase Agreement"), and Assignee, Assignor, Thomson, S.A., a French société anonyme and the parent company of Assignor, Thomson Inc. and Singingfish.com, Inc. are parties to that certain Transfer Agreement dated November 13, 2003 (the "Transfer Agreement"), pursuant to which Assignee acquired all right, title and interest in and to the Assigned Patent Rights; and

WHEREAS, this Patent Assignment is entered into pursuant to, and as a condition of the closing of the transactions contemplated under, the Asset Purchase Agreement and the Transfer Agreement;

NOW, THEREFORE, for good and valuable consideration acknowledged by Assignor to have been received in full from Assignee and pursuant to the terms of the Asset Purchase Agreement and Transfer Agreement:

- Assignor's right, title and interest in and to said Assigned Patent Rights, together with all patents issuing on said Assigned Patent Rights, and any reissues, reexaminations, renewals, extensions, substitutions, registrations, confirmations, divisionals, continuations, and continuations-in-part of such patents and said Assigned Patent Rights, including any patents and patent applications which claim priority to a common priority document in the priority chain of any of the foregoing, and foreign counterparts of any of the foregoing, and together with all rights to sue for past and future infringement or misappropriation thereof (including the right to sue for pre-issuance royalties).
- 2. The terms and covenants of this Patent Assignment shall inure to the benefit of Assignee, its successors and assigns, and shall be binding upon Assignor and its successors and assigns.

[REMAINDER OF PAGE INTENTIONALLY LEFT BLANK]

IN WITNESS WHEREOF, Assignor has caused this Patent Assignment to be executed by its duly authorized representatives effective this 13th day of November 2003.

THOMSON LICENSING S.A.

By: 7

Name: Didier

Title: Chairman & CEO

SCHEDULE A

"Exhibit One Patent Rights"

Title	Inventor(s)	Country	Application Number	Filing Date
INTERNET STREAMING MEDIA WORKFLOW ARCHITECTURE	DEROSA John, ABAJIAN Aram Christian, ALEXANDER Robin, DAHL Austin, LEE Scott, PORTER Charles, REHM Eric, KOLAR Jenniser, SUDANAGUNTA Srinivasan	US only	09/876941	08 June 01
FULL-TEXT RELEVANCY RANKING	DIAMOND Theodore George, HENDRICK Daniel Allen, REHM Eric Carl, REISLAND Melissa Anne	US only	09/876925	08 June 01
GROUP DUPLICATES AND VARIATIONS	ABAJIAN Aram Christian	US only	09/878877	11 June 01
FUZZY DATABASE RETRIEVAL	PRINCE John	US only	09/878866	11 June 01
INTERNET SEED CRAWLING	JENSEN-GRAY Sean S.	US only	09/878876	11 June 01

"Exhibit One Patent Rights," Continued

Title	Inventor(s)	Country	Application Number	Filing Date
A SYSTEM AND PROCESS FOR NETWORK SITE FRAGMENTED SEARCH	SHANNON Paul, MILLER Brad, LEE Scott, KOLAR Jennifer	PCT	US01/43303	20 Nov 01
		CN	01822162.9	20 Nov 01
		DE	N/A ^(*)	N/A
		EP	01988150.7	20 Nov 21
		FR	N/A	N/A
		GB	N/A	N/A
		IN	578/KOL NP/03	20 Nov 01
		IT	N/A	N/A
		ЛP	545322/02	20 Nov 01
	·	KR	03-7006820	20 Nov 01
		MX	03/004447	20 Nov 01
		US	10/432,258	20 Nov 01

^(*) Not Available

"Exhibit One Patent Rights," Continued

Title	Inventor(s)	Country	Application Number	Filing Date
A SYSTEM AND PROCESS FOR SEARCHING A NETWORK	PORTER Charles, REICHHOLD Jonathan, REHM Eric	PCT	US01/43247	20 Nov 01
		CN	01822165.3	20 Nov 01
		DE	N/A	N/A
		EP	US01/43247	20 Nov 01
		FR	N/A	N/A
		GB	N/A	N/A
		IN	579/KOL NP/03	20 Nov 01
		IT	N/A	N/A
		JР	545381/02	20 Nov 01
		KR	03-7006786	20 Nov 01
		MX	03/004446	20 Nov 01
		us	10/432,306	20 Nov 01

"Exhibit One Patent Rights," Continued

Title	Inventor(s)	Country	Application Number	Filing Date
A SYSTEM AND PROCESS FOR MEDIATED CRAWLING	EVANS Philip, ALEXANDER Robin, SHANNON Paul	PCT	US01/43248	20 Nov 01
		CN	01822163.7	20 Nov 01
		DE	N/A	N/A
		EP	01988143.2	20 Nov 01
		FR	N/A	N/A
	·	GB	N/A	N/A
		IN	589/KOL NP/03	20 Nov 01
		IT	N/A	N/A
		ЛP	545321/02	20 Nov 01
		KR	03-7006783	20 Nov 01
		MX	03/004448	20 Nov 01
		US	10/432,388	20 Nov 01

"Exhibit One Patent Rights," Continued

Title	Inventor(s)	Country	Application Number	Filing Date
METHOD AND ARCHITECTURE FOR THE RULE BASED INDEXING OF MULTIPLE DATA STREAMS	NOWITZ Jonathan	U.S.	10/625,141	23 July 03
ASSERTION-BASED METADATA COLLECTION AND ENHANCEMENT SYSTEM	SUDANAGUNTA Srinivasan	N/A	N/A	N/A

"Exhibit Two Patent Rights"

Title	Inventor(s)	Country	Application Number	Filing Date
INTERPRETIVE STREAM METADATA EXTRACTION	REHM Eric, BERKUN Ken, DAHL Austin, KOLAR Jennifer, LEE Scott, MCRAE Shannon, MILLER Brad, PRINCE John, SUDANAGUNTA Srinivasan, NOWITZ Johnathan	US only	09/876943	08 June 01
METADATA QUALITY IMPROVEMENT	PORTER Charles, ABAJIAN Aram Christian, ALEXANDER Robin Andrew, BERKUN Ken Alan, DAHL Austin David, DEROSA John Anthony, LEE Scott, REHM Eric Carl, SUDANAGUNTA Srinivasan, NOWITZ Johnathan	US only	09/876942	08 June 01

"Exhibit Two Patent Rights," Continued

Title	Inventor(s)	Country	Application Number	Filing Date
A SYSTEM FOR UNIFIED EXTRACTION OF MEDIA OBJECTS	KOLAR Jennifer, MILLER Brad, LEE Scott	PCT	US01/43305	20 Nov 01
		CN	01822164.5	20 Nov 01
		DE	N/A	N/A
		EP	01987023.7	20 Nov 01
		FR	N/A	N/A
		GB	N/A	N/A
		IN	577/KOL NP/03	20 Nov 01
		IT	N/A	N/A
·		JP	545323/02	20 Nov 01
		KR	03-7006821	20 Nov 01
		MX	03/004445	20 Nov 01
		US	10/432,316	20 Nov 01

"Exhibit Three Patent Rights"

Title	Inventor(s)	Country	Application Number	Filing Date
METHOD OF SIZING AN EMBEDDED MEDIA PLAYER PAGE	HAYWARD Monte Duane	PCT	US01/51373	24 Oct 01
		BR	PI0114879-6	24 Oct 01
		CN	01817867.7	24 Oct 01
.		DE	N/A	N/A
		EP	01989347.8	24 Oct 01
		FR	N/A	N/A
		GB	N/A	N/A
		IN	438/KOL NP/03	24 Oct 01
		IT	N/A	N/A
		ЛP	549056/02	24 Oct 01
		KR	03-7005382	24 Oct 01
		MX	03/003495	24 Oct 01
		US	10/415210	24 Oct 01

"Exhibit Three, Patent Rights," Continued

Title	Inventor(s)	Country	Application Number	Filing Date
METHOD OF COLLECTING DATA USING AN EMBEDDED MEDIA PLAYER PAGE	HAYWARD Monte Duane	РСТ	US01/51228	24 Oct 01
		BR	PI0114882-6	24 Oct 01
		CN	01817868.5	24 Oct 01
		DE	N/A	N/A
		EP	01994526.0	24 Oct 01
		FR	N/A	N/A
		GB	N/A	N/A
		IN	436/KOL NP/03	24 Oct 01
		IT	N/A	N/A
		JP	558150/02	24 Oct 01
		KR	03-7005632	24 Oct 01
		мх	03/003493	24 Oct 01
		US	10/415216	24 Oct 01

"Exhibit Three, Patent Rights," Continued

Title	Inventor(s)	Country	Application Number	Filing Date
METHOD OF DISSEMINATING ADVERTISEMENTS USING AN EMBEDDED MEDIA PLAYER PAGE	HAYWARD Monte Duane	PCT	US01/51227	24 Oct 01
		BR	PI0114830-3	24 Oct 01
		CN	01817871.5	24 Oct 01
		DE	N/A	N/A
		EP	01989326.2	24 Oct 01
		FR	N/A	N/A
		GB	N/A	N/A
		IN	437/KOL NP/03	24 Oct 01
		IT	N/A	N/A
		ЛP	557111/02	24 Oct 01
,		KR	03-7005633	24 Oct 01
		мх	03/003494	24 Oct 01
		us	10/415021	24 Oct 01